Amendments to the Claims:

 (Currently Amended) A method for repairing a workpiece, the method comprising:

providing a workpiece having a defect and an area proximate to the defect;

routing a portion of the workpiece including the defect with a router bit comprising at least one cutting edge having a shallow relief angle such that routing removes the defect and at least a portion of the workpiece proximate to the defect, wherein routing comprises controlling a depth to which the workpiece is routed with a micro-stop countersink apparatus, and wherein routing further comprises controlling the routing such that at least a portion of the routed portion of the workpiece is defined by a sidewall and a conical bottom surface extending angularly from the sidewall and defined by the shallow relief angle of the at least one cutting edge of the router bit; and

flame spraying the portion of the workpiece that has been removed by routing such that new material is added to fill the portion of the workpiece that has been routed.

- (Original) The method according to Claim 1, wherein the micro-stop countersink apparatus is capable of receiving a router bit, and wherein routing comprises aligning the microstop countersink apparatus with the workpiece and then plunging the router bit into the workpiece.
- 3. (Previously Presented) The method according to Claim 1, wherein routing comprises plunging a router bit into the portion of the workpiece including the defect such that the router bit contacts the defect and the area proximal to the defect in a direction generally orthogonal to the workpiece such that the routed portion of the workpiece is defined by the sidewall extending generally orthogonal to the workpiece and the conical bottom surface.
- (Original) The method according to Claim 1, wherein controlling the depth comprises controlling the depth to permit removal in predefined increments.
 - 5. (Original) The method of Claim 1, wherein routing comprises routing the

workpiece with a router bit having two cutting edges.

- (Currently Amended) The method according to Claim 1, wherein routing comprises routing the workpiece with a router bit having comprising at least one cutting edges with having a relief angle of less than between 0 and 3 degrees.
- (Original) The method according to Claim 1, wherein routing comprises routing
 the workpiece with a router bit having a diameter of at least 20 times a depth of the portion
 removed by routing.
- (Original) The method according to Claim 1, wherein providing the workpiece comprises providing an aircraft skin having a defect.
- (Original) The method of Claim 1, further comprising blasting the portion of the workpiece that has been routed using grit to remove foreign particles prior to flame spraying.
- (Original) The method of Claim 1, further comprising sanding the portion of the workpiece that has been flame sprayed.
- 11. (Original) The method of Claim 10, further comprising polishing the portion of the workpiece that has been flame sprayed following sanding.
- 12. (Original) The method of Claim 1, wherein routing further comprises routing the workpiece to a depth of 10% or less of the thickness of the workpiece.
- (Currently Amended) A method for repairing a workpiece, the method comprising:

providing a workpiece having a defect and an area proximate to the defect;

plunging a router bit <u>comprising at least one cutting edge having a shallow relief angle</u> into the portion of the workpiece including the defect, wherein the router bit contacts the defect

and the area proximate to the defect in a direction generally orthogonal to the workpiece to remove the defect and at least a portion of the workpiece proximate to the defect, and wherein the routed portion is defined by a sidewall extending generally orthogonal to the workpiece and a conical bottom surface extending from the sidewall and defined by the shallow relief angle of the at least one cutting edge of the router bit; and

flame spraying the portion of the workpiece that has been removed by routing such that new material is added to fill the portion of the workpiece that has been routed.

- (Original) The method according to Claim 13, wherein plunging comprises controlling a depth to which the workpiece is routed with a micro-stop countersink apparatus.
- 15. (Original) The method according to Claim 14, wherein the micro-stop countersink apparatus is capable of receiving the router bit, and wherein routing comprises aligning the micro-stop countersink apparatus with the workpiece and then plunging the router bit into the workpiece.
- (Original) The method according to Claim 14, wherein controlling the depth comprises controlling the depth to permit removal in predefined increments.
 - Canceled.
- (Original) The method of Claim 13, further comprising providing a router bit having two cutting edges.
- (Currently Amended) The method according to Claim 13, further comprising providing-wherein plunging comprises plunging a router bit having comprising at least one cutting edges-with having a relief angle of less-than between 0 and 3 degrees.
- (Original) The method of Claim 13, further comprising providing a router bit having a diameter of at least 20 times a depth of the portion that has been routed.

- (Original) The method according to Claim 13, wherein providing the workpiece comprises providing an aircraft skin having a defect.
- (Original) The method of Claim 13, further comprising blasting the portion of the workpiece that has been routed using grit to remove foreign particles prior to flame spraying.
- (Original) The method of Claim 13, further comprising sanding the portion of the workpiece that has been flame sprayed.
- (Original) The method of Claim 23, further comprising polishing the portion of the workpiece that has been flame sprayed following sanding.
- 25. (Original) The method of Claim 13, wherein plunging the router bit comprises plunging the router bit to a depth of 10% or less of the thickness of the workpiece.